

SAFETY DATA SHEET



InfinityLab LC Installation Standard Kit

Section 1. Identification

1.1 Product identifier

Product name : InfinityLab LC Installation Standard Kit
Part no. (chemical kit) : 5191-4548
Part no. : LCMS Grade Formic Acid 5191-4549-1
 InfinityLab LC Performance Checkout Std 5191-4547-1
Validation date : 8/23/2024

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Reagents and Standards for Analytical Chemistry Laboratory Use
 LCMS Grade Formic Acid 2 x 1 ml
 InfinityLab LC Performance Checkout Std 2 x 0.5 ml

1.3 Details of the supplier of the safety data sheet

Supplier/Manufacturer : Agilent Technologies, Inc.
 5301 Stevens Creek Blvd
 Santa Clara, CA 95051, USA
 800-227-9770

1.4 Emergency telephone number

In case of emergency : CHEMTREC®: 1-800-424-9300

Section 2. Hazards identification

2.1 Classification of the substance or mixture

OSHA/HCS status : LCMS Grade Formic Acid This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).
 InfinityLab LC Performance Checkout Std This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture

LCMS Grade Formic Acid

H226 FLAMMABLE LIQUIDS - Category 3
 H302 ACUTE TOXICITY (oral) - Category 4
 H331 ACUTE TOXICITY (inhalation) - Category 3
 H314 SKIN CORROSION - Category 1A
 H318 SERIOUS EYE DAMAGE - Category 1

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H225 FLAMMABLE LIQUIDS - Category 2
 H301 ACUTE TOXICITY (oral) - Category 3
 H311 ACUTE TOXICITY (dermal) - Category 3
 H331 ACUTE TOXICITY (inhalation) - Category 3
 H351 CARCINOGENICITY - Category 2
 H360 TOXIC TO REPRODUCTION - Category 1B
 H370 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - Category 1
 H410 AQUATIC HAZARD (LONG-TERM) - Category 1

2.2 GHS label elements

Section 2. Hazards identification

Hazard pictograms : LCMS Grade Formic Acid



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Signal word : LCMS Grade Formic Acid
InfinityLab LC Performance Checkout Std

Danger
Danger

Hazard statements : LCMS Grade Formic Acid

H226 - Flammable liquid and vapor.
H302 - Harmful if swallowed.
H314 - Causes severe skin burns and eye damage.
H331 - Toxic if inhaled.
H225 - Highly flammable liquid and vapor.

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H301 + H311 + H331 - Toxic if swallowed, in contact with skin or if inhaled.
H351 - Suspected of causing cancer.
H360 - May damage fertility or the unborn child.
H370 - Causes damage to organs.
H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements



Prevention : LCMS Grade Formic Acid

P280 - Wear protective gloves, protective clothing and eye or face protection.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P241 - Use explosion-proof electrical, ventilating or lighting equipment.
P242 - Use non-sparking tools.
P243 - Take action to prevent static discharges.
P261 - Avoid breathing vapor.
P270 - Do not eat, drink or smoke when using this product.
P264 - Wash thoroughly after handling.
P201 - Obtain special instructions before use.

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P280 - Wear protective gloves, protective clothing and eye or face protection.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P241 - Use explosion-proof electrical, ventilating or lighting equipment.
P242 - Use non-sparking tools.
P243 - Take action to prevent static discharges.
P233 - Keep container tightly closed.
P273 - Avoid release to the environment.
P260 - Do not breathe vapor.
P270 - Do not eat, drink or smoke when using this product.
P264 - Wash thoroughly after handling.

Section 2. Hazards identification

Response	: LCMS Grade Formic Acid	<p>P304 + P340, P310 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor.</p> <p>P301 + P310, P330, P331 - IF SWALLOWED: Immediately call a POISON CENTER or doctor. Rinse mouth. Do NOT induce vomiting.</p> <p>P303 + P361 + P353, P310 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Immediately call a POISON CENTER or doctor.</p> <p>P363 - Wash contaminated clothing before reuse.</p> <p>P305 + P351 + P338, P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.</p> <p>P391 - Collect spillage.</p>
	InfinityLab LC Performance Checkout Std	<p>P308 + P311 - IF exposed: Call a POISON CENTER or doctor.</p> <p>P304 + P340, P311 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor.</p> <p>P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor.</p> <p>P361 + P364 - Take off immediately all contaminated clothing and wash it before reuse.</p> <p>P302 + P312, P352 - IF ON SKIN: Call a POISON CENTER or doctor if you feel unwell. Wash with plenty of water.</p>
Storage	: LCMS Grade Formic Acid	<p>P403 + P235 - Store in a well-ventilated place. Keep cool.</p>
	InfinityLab LC Performance Checkout Std	<p>P403 + P235 - Store in a well-ventilated place. Keep cool.</p>
Disposal	: LCMS Grade Formic Acid	<p>P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.</p>
	InfinityLab LC Performance Checkout Std	<p>P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.</p>
Supplemental label elements	:  LCMS Grade Formic Acid	<p>Keep container tightly closed. Do not breathe vapor or spray. Use only with adequate ventilation.</p> <p>None known.</p>
	InfinityLab LC Performance Checkout Std	
<u>2.3 Other hazards</u>		
Hazards not otherwise classified	:  LCMS Grade Formic Acid InfinityLab LC Performance Checkout Std	<p>Causes respiratory tract burns.</p> <p>None known.</p>

Section 3. Composition/information on ingredients

Substance/mixture	: LCMS Grade Formic Acid InfinityLab LC Performance Checkout Std	Substance Mixture
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Section 3. Composition/information on ingredients

Ingredient name	%	CAS number
LCMS Grade Formic Acid		
Formic acid	100	64-18-6
InfinityLab LC Performance Checkout Std		
Methanol	≥75 - ≤90	67-56-1
bis(2-Ethylhexyl) phthalate	≤0.3	117-81-7

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

4.1 Description of necessary first aid measures

<p>Eye contact</p> <p style="margin-left: 100px;">: LCMS Grade Formic Acid</p> <p style="margin-left: 100px;">InfinityLab LC Performance Checkout Std</p>	<p>Get medical attention immediately. Call a poison center or physician. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician.</p> <p>Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention. If necessary, call a poison center or physician.</p>
<p>Inhalation</p> <p style="margin-left: 100px;">: LCMS Grade Formic Acid</p> <p style="margin-left: 100px;">InfinityLab LC Performance Checkout Std</p>	<p>Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.</p> <p>Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If</p>

Section 4. First aid measures

<p>Skin contact</p>	<p>: LCMS Grade Formic Acid</p> <p>InfinityLab LC Performance Checkout Std</p>	<p>unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.</p> <p>Get medical attention immediately. Call a poison center or physician. Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Chemical burns must be treated promptly by a physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.</p> <p>Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. If necessary, call a poison center or physician. Wash clothing before reuse. Clean shoes thoroughly before reuse.</p>
<p>Ingestion</p>	<p>: LCMS Grade Formic Acid</p> <p>InfinityLab LC Performance Checkout Std</p>	<p>Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.</p> <p>Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.</p>

4.2 Most important symptoms/effects, acute and delayed

Potential acute health effects

<p>Eye contact</p>	<p>: LCMS Grade Formic Acid InfinityLab LC Performance Checkout Std</p>	<p>Causes serious eye damage. No known significant effects or critical hazards.</p>
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Section 4. First aid measures

Inhalation	: LCMS Grade Formic Acid InfinityLab LC Performance Checkout Std	Toxic if inhaled. Corrosive to the respiratory system. Toxic if inhaled. Causes damage to organs following a single exposure if inhaled.
Skin contact	: LCMS Grade Formic Acid InfinityLab LC Performance Checkout Std	Causes severe burns. Toxic in contact with skin. Causes damage to organs following a single exposure in contact with skin.
Ingestion	: LCMS Grade Formic Acid InfinityLab LC Performance Checkout Std	May cause burns to mouth, throat and stomach. Harmful if swallowed. Toxic if swallowed. Causes damage to organs following a single exposure if swallowed.

Over-exposure signs/symptoms

Eye contact	: LCMS Grade Formic Acid InfinityLab LC Performance Checkout Std	Adverse symptoms may include the following: pain watering redness No specific data.
Inhalation	: LCMS Grade Formic Acid InfinityLab LC Performance Checkout Std	Adverse symptoms may include the following: respiratory tract irritation coughing Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations
Skin contact	: LCMS Grade Formic Acid InfinityLab LC Performance Checkout Std	Adverse symptoms may include the following: pain or irritation redness blistering may occur Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations
Ingestion	: LCMS Grade Formic Acid InfinityLab LC Performance Checkout Std	Adverse symptoms may include the following: stomach pains Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician	: LCMS Grade Formic Acid InfinityLab LC Performance Checkout Std	Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
Specific treatments	: LCMS Grade Formic Acid InfinityLab LC Performance Checkout Std	No specific treatment. No specific treatment.

Section 4. First aid measures

Protection of first-aiders : LCMS Grade Formic Acid

No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

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Checkout Std

No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

Section 5. Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media : LCMS Grade Formic Acid
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Use dry chemical, CO₂, water spray (fog) or foam.
Use dry chemical, CO₂, water spray (fog) or foam.

Unsuitable extinguishing media : LCMS Grade Formic Acid
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Checkout Std

Do not use water jet.
Do not use water jet.

5.2 Special hazards arising from the substance or mixture

Specific hazards arising from the chemical : LCMS Grade Formic Acid

Flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back.

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Highly flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. This material is very toxic to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Hazardous thermal decomposition products : LCMS Grade Formic Acid

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Checkout Std

Decomposition products may include the following materials:

carbon dioxide
carbon monoxide

Decomposition products may include the following materials:

carbon dioxide
carbon monoxide
Formaldehyde.

5.3 Advice for firefighters

Section 5. Fire-fighting measures

Special protective actions for fire-fighters : LCMS Grade Formic Acid

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Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Special protective equipment for fire-fighters : LCMS Grade Formic Acid

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Checkout Std

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : LCMS Grade Formic Acid

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Checkout Std

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders : LCMS Grade Formic Acid

InfinityLab LC Performance
Checkout Std

If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel". If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Section 6. Accidental release measures

6.2 Environmental precautions

: LCMS Grade Formic Acid

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

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Checkout Std

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up

: LCMS Grade Formic Acid

Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

InfinityLab LC Performance
Checkout Std

Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Section 7. Handling and storage

7.1 Precautions for safe handling

Protective measures

: LCMS Grade Formic Acid

Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

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Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter

Section 7. Handling and storage

storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers.

Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use. Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Advice on general occupational hygiene

: LCMS Grade Formic Acid

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7.2 Conditions for safe storage, including any incompatibilities

: LCMS Grade Formic Acid

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7.3 Specific end use(s)

Section 7. Handling and storage

Recommendations	: LCMS Grade Formic Acid InfinityLab LC Performance Checkout Std	Industrial applications, Professional applications. Industrial applications, Professional applications.
Industrial sector specific solutions	: LCMS Grade Formic Acid InfinityLab LC Performance Checkout Std	Not available. Not available.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
<p>LCMS Grade Formic Acid Formic acid</p>	<p>ACGIH TLV (United States, 1/2024). TWA: 5 ppm 8 hours.</p> <p>OSHA PEL 1989 (United States, 3/1989). TWA: 5 ppm 8 hours. TWA: 9 mg/m³ 8 hours.</p> <p>NIOSH REL (United States, 10/2020). TWA: 5 ppm 10 hours. TWA: 9 mg/m³ 10 hours.</p> <p>OSHA PEL (United States, 5/2018). TWA: 5 ppm 8 hours. TWA: 9 mg/m³ 8 hours.</p> <p>CAL OSHA PEL (United States, 5/2018). STEL: 19 mg/m³ 15 minutes. STEL: 10 ppm 15 minutes. TWA: 9 mg/m³ 8 hours. TWA: 5 ppm 8 hours.</p>
<p>InfinityLab LC Performance Checkout Std Methanol</p>	<p>ACGIH TLV (United States, 1/2024). Absorbed through skin. TWA: 200 ppm 8 hours. TWA: 262 mg/m³ 8 hours. STEL: 250 ppm 15 minutes. STEL: 328 mg/m³ 15 minutes.</p> <p>OSHA PEL 1989 (United States, 3/1989). Absorbed through skin. TWA: 200 ppm 8 hours. TWA: 260 mg/m³ 8 hours. STEL: 250 ppm 15 minutes. STEL: 325 mg/m³ 15 minutes.</p> <p>NIOSH REL (United States, 10/2020). Absorbed through skin. TWA: 200 ppm 10 hours. TWA: 260 mg/m³ 10 hours. STEL: 250 ppm 15 minutes. STEL: 325 mg/m³ 15 minutes.</p> <p>OSHA PEL (United States, 5/2018). TWA: 200 ppm 8 hours. TWA: 260 mg/m³ 8 hours.</p> <p>CAL OSHA PEL (United States, 5/2018). Absorbed through skin. STEL: 325 mg/m³ 15 minutes. STEL: 250 ppm 15 minutes. C: 1000 ppm TWA: 260 mg/m³ 8 hours.</p>

Section 8. Exposure controls/personal protection

<p>bis(2-Ethylhexyl) phthalate</p>	<p>TWA: 200 ppm 8 hours.</p> <p>OSHA PEL 1989 (United States, 3/1989). TWA: 5 mg/m³ 8 hours. STEL: 10 mg/m³ 15 minutes.</p> <p>NIOSH REL (United States, 10/2020). TWA: 5 mg/m³ 10 hours. STEL: 10 mg/m³ 15 minutes.</p> <p>ACGIH TLV (United States, 1/2024). Absorbed through skin. TWA: 0.1 mg/m³ 8 hours.</p> <p>OSHA PEL (United States, 5/2018). TWA: 5 mg/m³ 8 hours.</p> <p>CAL OSHA PEL (United States, 5/2018). TWA: 5 mg/m³ 8 hours.</p>
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Biological exposure indices

Ingredient name	Exposure indices
<p>InfinityLab LC Performance Checkout Std</p> <p>Methanol</p> <p>bis(2-Ethylhexyl) phthalate</p>	<p>ACGIH BEI (United States, 1/2024) BEI: 15 mg/l, methanol [in urine]. Sampling time: end of shift.</p> <p>ACGIH BEI (United States, 1/2024) BEI: 25 µg/g creatinine, mono(2-ethyl-5-carboxypentyl)phthalate [in urine]. Sampling time: end of shift. BEI: 15 µg/g creatinine, mono(2-ethyl-5-oxohexyl)phthalate [in urine]. Sampling time: end of shift. BEI: 20 µg/g creatinine, mono(2-ethyl-5-hydroxyhexyl)phthalate [in urine]. Sampling time: end of shift. BEI: 5 µg/g creatinine, mono(2-ethylhexyl)phthalate [in urine]. Sampling time: end of shift.</p>

8.2 Exposure controls

Appropriate engineering controls

- : Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Environmental exposure controls

- : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures

- : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Section 8. Exposure controls/personal protection

- Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.
- Skin protection**
- Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.
- Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Section 9. Physical and chemical properties and safety characteristics

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

Physical state	: LCMS Grade Formic Acid InfinityLab LC Performance Checkout Std	Liquid. Liquid.
Color	: LCMS Grade Formic Acid InfinityLab LC Performance Checkout Std	Colorless. Not available.
Odor	: LCMS Grade Formic Acid InfinityLab LC Performance Checkout Std	Pungent. Not available.
Odor threshold	: LCMS Grade Formic Acid InfinityLab LC Performance Checkout Std	Not available. Not available.
pH	: LCMS Grade Formic Acid InfinityLab LC Performance Checkout Std	Not available. Not available.
Melting point/freezing point	: LCMS Grade Formic Acid InfinityLab LC Performance Checkout Std	4°C (39.2°F) [OECD 102] Not available.
Boiling point, initial boiling point, and boiling range	: LCMS Grade Formic Acid InfinityLab LC Performance Checkout Std	100.23°C (212.4°F) [OECD 103] Not available.
Flash point	: LCMS Grade Formic Acid InfinityLab LC Performance Checkout Std	Closed cup: 49.5°C (121.1°F) [DIN EN ISO 13736] Closed cup: -18 to 23°C (-0.4 to 73.4°F)
Evaporation rate	: LCMS Grade Formic Acid InfinityLab LC Performance Checkout Std	1.14 (butyl acetate = 1) Not available.

Section 9. Physical and chemical properties and safety characteristics

- Flammability** : LCMS Grade Formic Acid Not applicable.
 InfinityLab LC Performance Not applicable.
 Checkout Std
- Lower and upper explosion limit/flammability limit** : LCMS Grade Formic Acid Lower: 18%
 Upper: 51%
 InfinityLab LC Performance Not available.
 Checkout Std
- Vapor pressure** : LCMS Grade Formic Acid 4.3 kPa (32.03522 mm Hg) [room temperature] [EU A.4]
 17.4 kPa (130.51 mm Hg) [50°C (122°F)]

Ingredient name	Vapor Pressure at 20°C			Vapor pressure at 50°C		
	mm Hg	kPa	Method	mm Hg	kPa	Method
InfinityLab LC Performance Checkout Std						
Methanol	126.96329	16.9	-	-	-	-
water	17.5	2.3	-	92.258	12.3	-

- Relative vapor density** : LCMS Grade Formic Acid 1.6 [Air = 1]
 InfinityLab LC Performance Not available.
 Checkout Std
- Relative density** : LCMS Grade Formic Acid 1.2
 InfinityLab LC Performance Not available.
 Checkout Std

Solubility(ies) :

Media	Result
LCMS Grade Formic Acid	
methanol	Soluble
diethyl ether	Soluble
acetone	Soluble
water	Soluble
InfinityLab LC Performance Checkout Std	
water	Soluble

- Partition coefficient: n-octanol/water** : LCMS Grade Formic Acid -2.3 [OECD 107]
 InfinityLab LC Performance Not applicable.
 Checkout Std

- Auto-ignition temperature** : LCMS Grade Formic Acid 434°C (813.2°F)

Ingredient name	°C	°F	Method
InfinityLab LC Performance Checkout Std			
Methanol	455	851	DIN 51794

- Decomposition temperature** : LCMS Grade Formic Acid 150 to 300°C (302 to 572°F)
 InfinityLab LC Performance Not available.
 Checkout Std

- Viscosity** : LCMS Grade Formic Acid Dynamic (room temperature): 1.22 mPa·s (1.22 cP) [OECD 114]
 Kinematic (room temperature): 1.47 mm²/s (1.47 cSt) [OECD 114]
 Kinematic (40°C (104°F)): 1.02 mm²/s (1.02 cSt) [OECD 114]
 InfinityLab LC Performance Not available.
 Checkout Std

Section 9. Physical and chemical properties and safety characteristics

Particle characteristics

Median particle size	: LCMS Grade Formic Acid InfinityLab LC Performance Checkout Std	Not applicable. Not applicable.
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Section 10. Stability and reactivity

10.1 Reactivity	: LCMS Grade Formic Acid InfinityLab LC Performance Checkout Std	No specific test data related to reactivity available for this product or its ingredients. No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	: LCMS Grade Formic Acid InfinityLab LC Performance Checkout Std	The product is stable. The product is stable.
10.3 Possibility of hazardous reactions	: LCMS Grade Formic Acid InfinityLab LC Performance Checkout Std	Under normal conditions of storage and use, hazardous reactions will not occur. Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	: LCMS Grade Formic Acid InfinityLab LC Performance Checkout Std	Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas. Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
10.5 Incompatible materials	: LCMS Grade Formic Acid InfinityLab LC Performance Checkout Std	Reactive or incompatible with the following materials: oxidizing materials Reactive or incompatible with the following materials: oxidizing materials
10.6 Hazardous decomposition products	: LCMS Grade Formic Acid InfinityLab LC Performance Checkout Std	Under normal conditions of storage and use, hazardous decomposition products should not be produced. Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Section 11. Toxicological information

Product/ingredient name	Result	Species	Dose	Exposure
LCMS Grade Formic Acid Formic acid	LC50 Inhalation Vapor LD50 Oral	Rat Rat	7400 mg/m ³ 730 mg/kg	4 hours -
InfinityLab LC Performance Checkout Std Methanol	LC50 Inhalation Vapor LC50 Inhalation Vapor LC50 Inhalation Vapor LC50 Inhalation Vapor LD50 Dermal LD50 Oral	Rat Rat Rat Rat Rabbit Rat	189.95 mg/l 145000 ppm 83.84 mg/l 64000 ppm 15800 mg/kg 5600 mg/kg	1 hours 1 hours 4 hours 4 hours - -
bis(2-Ethylhexyl) phthalate	LD50 Dermal LD50 Oral	Rabbit Rat	25 g/kg 30 g/kg	- -

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
LCMS Grade Formic Acid Formic acid	Eyes - Severe irritant	Rabbit	-	122 mg	-
InfinityLab LC Performance Checkout Std Methanol	Eyes - Moderate irritant	Rabbit	-	24 hours 100 mg	-
	Eyes - Moderate irritant	Rabbit	-	40 mg	-
	Eyes - Severe irritant	Rabbit	-	0.1 MI	-
	Skin - Moderate irritant	Rabbit	-	24 hours 20 mg	-
bis(2-Ethylhexyl) phthalate	Eyes - Mild irritant	Rabbit	-	24 hours 500 mg	-
	Eyes - Mild irritant	Rabbit	-	500 mg	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 mg	-

Sensitization

Not available.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Classification

Product/ingredient name	OSHA	IARC	NTP
InfinityLab LC Performance Checkout Std bis(2-Ethylhexyl) phthalate	-	2B	Reasonably anticipated to be a human carcinogen.

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

Section 11. Toxicological information

Name	Category	Route of exposure	Target organs
InfinityLab LC Performance Checkout Std Methanol	Category 1	-	central nervous system (CNS), optic nerve

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely routes of exposure

: LCMS Grade Formic Acid
InfinityLab LC Performance
Checkout Std

Routes of entry anticipated: Oral, Dermal,
Inhalation, Eyes.
Routes of entry anticipated: Oral, Dermal,
Inhalation, Eyes.

Potential acute health effects

Eye contact

: LCMS Grade Formic Acid
InfinityLab LC Performance
Checkout Std

Causes serious eye damage.
No known significant effects or critical hazards.

Inhalation

: LCMS Grade Formic Acid
InfinityLab LC Performance
Checkout Std

Toxic if inhaled. Corrosive to the respiratory
system.
Toxic if inhaled. Causes damage to organs
following a single exposure if inhaled.

Skin contact

: LCMS Grade Formic Acid
InfinityLab LC Performance
Checkout Std

Causes severe burns.
Toxic in contact with skin. Causes damage to
organs following a single exposure in contact with
skin.

Ingestion

: LCMS Grade Formic Acid
InfinityLab LC Performance
Checkout Std

May cause burns to mouth, throat and stomach.
Harmful if swallowed.
Toxic if swallowed. Causes damage to organs
following a single exposure if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact

: LCMS Grade Formic Acid
InfinityLab LC Performance
Checkout Std

Adverse symptoms may include the following:
pain
watering
redness
No specific data.

Inhalation

: LCMS Grade Formic Acid
InfinityLab LC Performance
Checkout Std

Adverse symptoms may include the following:
respiratory tract irritation
coughing
Adverse symptoms may include the following:

reduced fetal weight
increase in fetal deaths
skeletal malformations

Skin contact

: LCMS Grade Formic Acid
InfinityLab LC Performance
Checkout Std

Adverse symptoms may include the following:
pain or irritation
redness
blistering may occur
Adverse symptoms may include the following:

reduced fetal weight

Section 11. Toxicological information

Ingestion	: LCMS Grade Formic Acid InfinityLab LC Performance Checkout Std	increase in fetal deaths skeletal malformations Adverse symptoms may include the following: stomach pains Adverse symptoms may include the following: reduced fetal weight increase in fetal deaths skeletal malformations
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Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects	: Not available.
Potential delayed effects	: Not available.

Long term exposure

Potential immediate effects	: Not available.
Potential delayed effects	: Not available.

Potential chronic health effects

General	: LCMS Grade Formic Acid InfinityLab LC Performance Checkout Std	No known significant effects or critical hazards. No known significant effects or critical hazards.
Carcinogenicity	: LCMS Grade Formic Acid InfinityLab LC Performance Checkout Std	No known significant effects or critical hazards. Suspected of causing cancer. Risk of cancer depends on duration and level of exposure.
Mutagenicity	: LCMS Grade Formic Acid InfinityLab LC Performance Checkout Std	No known significant effects or critical hazards. No known significant effects or critical hazards.
Reproductive toxicity	: LCMS Grade Formic Acid InfinityLab LC Performance Checkout Std	No known significant effects or critical hazards. May damage fertility or the unborn child.

Numerical measures of toxicity

Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
LCMS Grade Formic Acid Formic acid	730	N/A	N/A	7.4	N/A
InfinityLab LC Performance Checkout Std InfinityLab LC Performance Checkout Std	131.9	395.8	N/A	4.0	N/A
Methanol	100	300	N/A	3	N/A
bis(2-Ethylhexyl) phthalate	30000	25000	N/A	N/A	N/A

Section 11. Toxicological information

Other information

: InfinityLab LC Performance
Checkout Std

Adverse symptoms may include the following: blurred or double vision, Eye contact can result in corneal damage or blindness. Repeated or prolonged exposure to the substance can produce liver damage. Narcotic effect. May cause nervous system disturbances.

Section 12. Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
CMS Grade Formic Acid Formic acid	Acute EC50 151200 µg/l Fresh water	Daphnia - <i>Daphnia magna</i> - Larvae	48 hours
	Acute LC50 80000 to 90000 µg/l Marine water	Crustaceans - <i>Carcinus maenas</i> - Adult	48 hours
	Acute NOEC ≥100 mg/l Fresh water	Daphnia - <i>Daphnia magna</i>	21 days
InfinityLab LC Performance Checkout Std Methanol	Acute EC50 2736 mg/l Marine water	Algae - <i>Ulva pertusa</i>	96 hours
	Acute LC50 2500000 µg/l Marine water	Crustaceans - <i>Crangon crangon</i> - Adult	48 hours
bis(2-Ethylhexyl) phthalate	Acute LC50 3289 mg/l Fresh water	Daphnia - <i>Daphnia magna</i> - Neonate	48 hours
	Acute LC50 290 mg/l Fresh water	Fish - <i>Danio rerio</i> - Egg	96 hours
	Chronic NOEC 9.96 mg/l Marine water	Algae - <i>Ulva pertusa</i>	96 hours
	Acute EC50 6.02 mg/l	Algae - <i>Chlorella vulgaris</i> - Exponential growth phase	96 hours
	Acute EC50 133 µg/l Fresh water	Daphnia - <i>Daphnia pulex</i> - Neonate	48 hours
	Acute LC50 37.95 mg/l Fresh water	Fish - <i>Cyprinus carpio</i>	96 hours
	Chronic NOEC 76 µg/l Marine water	Algae - <i>Hormosira banksii</i> - Gamete	72 hours
Chronic NOEC 109 µg/l Marine water	Crustaceans - <i>Eurytemora affinis</i> - Nauplii	21 days	
Chronic NOEC 0.077 mg/l Fresh water	Daphnia - <i>Daphnia magna</i>	21 days	
Chronic NOEC 0.1 µg/l Fresh water	Fish - <i>Poecilia reticulata</i> - Larvae	28 days	

12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
InfinityLab LC Performance Checkout Std bis(2-Ethylhexyl) phthalate	OECD 301B Ready Biodegradability - CO ₂ Evolution Test	82 % - Readily - 29 days	-	20.3 mg/l Activated sludge
	OECD 301B Ready Biodegradability - CO ₂ Evolution Test	82 % - Readily - 29 days	20.3 mg/l	Activated sludge

Section 12. Ecological information

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
LCMS Grade Formic Acid Formic acid	-	-	Readily
InfinityLab LC Performance Checkout Std Methanol	-	-	Readily

12.3 Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
LCMS Grade Formic Acid Formic acid	-2.3	-	Low
InfinityLab LC Performance Checkout Std Methanol	-0.77	<10	Low
bis(2-Ethylhexyl) phthalate	7.6	1380	High

12.4 Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

12.5 Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

13.1 Waste treatment methods

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

United States - RCRA Toxic hazardous waste "U" List

Ingredient	CAS #	Status	Reference number
LCMS Grade Formic Acid Formic acid (C,T)	64-18-6	Listed	U123
InfinityLab LC Performance Checkout Std Methanol (I)	67-56-1	Listed	U154

Section 13. Disposal considerations

Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

The information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

Section 14. Transport information

DOT / TDG / Mexico / IMDG / IATA : Not regulated.

IATA

Additional information

Remarks : De minimis quantities

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to IMO instruments : Not available.

Section 15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

U.S. Federal regulations : **TSCA 5(a)2 final significant new use rules:** di-n-pentyl phthalate
TSCA 8(a) CDR Exempt/Partial exemption: Not determined
Clean Water Act (CWA) 307: bis(2-Ethylhexyl) phthalate; Diethyl phthalate
Clean Water Act (CWA) 311: Formic acid

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Section 15. Regulatory information

Classification	: LCMS Grade Formic Acid	FLAMMABLE LIQUIDS - Category 3 ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (inhalation) - Category 3 SKIN CORROSION - Category 1A SERIOUS EYE DAMAGE - Category 1 HNOC - Corrosive to digestive tract [severe] HNOC - Corrosive to respiratory tract [severe]
	InfinityLab LC Performance Checkout Std	FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (oral) - Category 3 ACUTE TOXICITY (dermal) - Category 3 ACUTE TOXICITY (inhalation) - Category 3 CARCINOGENICITY - Category 2 TOXIC TO REPRODUCTION - Category 1B SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - Category 1

Composition/information on ingredients

Name	%	Classification
LCMS Grade Formic Acid Formic acid	100	FLAMMABLE LIQUIDS - Category 3 ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (inhalation) - Category 3 SKIN CORROSION - Category 1A SERIOUS EYE DAMAGE - Category 1 HNOC - Corrosive to respiratory tract
InfinityLab LC Performance Checkout Std Methanol	≥75 - ≤90	FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (oral) - Category 3 ACUTE TOXICITY (dermal) - Category 3 ACUTE TOXICITY (inhalation) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - Category 1
bis(2-Ethylhexyl) phthalate	≤0.3	EYE IRRITATION - Category 2B CARCINOGENICITY - Category 2 TOXIC TO REPRODUCTION - Category 1B

SARA 313

	Product name	CAS number	%
Form R - Reporting requirements	LCMS Grade Formic Acid Formic acid	64-18-6	100
	InfinityLab LC Performance Checkout Std Methanol	67-56-1	≥75 - ≤90
	bis(2-Ethylhexyl) phthalate	117-81-7	≤0.3
Supplier notification	LCMS Grade Formic Acid Formic acid	64-18-6	100
	InfinityLab LC Performance Checkout Std Methanol	67-56-1	≥75 - ≤90
	bis(2-Ethylhexyl) phthalate	117-81-7	≤0.3

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

- Massachusetts** : The following components are listed: FORMIC ACID; METHANOL
- New York** : The following components are listed: Formic acid; Methanol
- New Jersey** : The following components are listed: FORMIC ACID; METHYL ALCOHOL
- Pennsylvania** : The following components are listed: FORMIC ACID; METHANOL

California Prop. 65

Section 15. Regulatory information

⚠ WARNING: This product can expose you to chemicals including Di(2-ethylhexyl)phthalate, which is known to the State of California to cause cancer and birth defects or other reproductive harm. This product can expose you to chemicals including Benzophenone, which is known to the State of California to cause cancer, and Methanol and Di-n-hexyl phthalate, which are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Ingredient name	No significant risk level	Maximum acceptable dosage level
InfinityLab LC Performance Checkout Std		
Methanol	-	Yes.
Di(2-ethylhexyl)phthalate	Yes.	Yes.
Di-n-hexyl phthalate	-	Yes.
Benzophenone	-	-

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

Australia	: Not determined.
Canada	: <input checked="" type="checkbox"/> Not determined.
China	: All components are listed or exempted.
Japan	: Japan inventory (CSCL): Not determined. Japan inventory (ISHL): Not determined.
New Zealand	: All components are listed or exempted.
Philippines	: Not determined.
Republic of Korea	: All components are listed or exempted.
Taiwan	: All components are listed or exempted.
Thailand	: Not determined.
Turkey	: Not determined.
United States	: All components are active or exempted.
Viet Nam	: All components are listed or exempted.

Section 16. Other information

Procedure used to derive the classification

Section 16. Other information

Classification	Justification
<p>LCMS Grade Formic Acid FLAMMABLE LIQUIDS - Category 3 ACUTE TOXICITY (oral) - Category 4 ACUTE TOXICITY (inhalation) - Category 3 SKIN CORROSION - Category 1A SERIOUS EYE DAMAGE - Category 1</p> <p>InfinityLab LC Performance Checkout Std FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (oral) - Category 3 ACUTE TOXICITY (dermal) - Category 3 ACUTE TOXICITY (inhalation) - Category 3 CARCINOGENICITY - Category 2 TOXIC TO REPRODUCTION - Category 1B SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) - Category 1 AQUATIC HAZARD (LONG-TERM) - Category 1</p>	<p>Expert judgment Expert judgment On basis of test data Expert judgment Expert judgment</p> <p>Expert judgment Calculation method Calculation method Calculation method Calculation method Calculation method Calculation method Calculation method</p>

History

Date of issue/Date of revision : 08/23/2024

Date of previous issue : 12/21/2023

Version : 3

Key to abbreviations

: ATE = Acute Toxicity Estimate
 BCF = Bioconcentration Factor
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals
 IATA = International Air Transport Association
 IBC = Intermediate Bulk Container
 IMDG = International Maritime Dangerous Goods
 LogPow = logarithm of the octanol/water partition coefficient
 MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
 N/A = Not available
 UN = United Nations

✔ Indicates information that has changed from previously issued version.

Notice to reader

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